NCC LIMITED
BRUHAT BENGALURU MAHANAGAR PALIKE
WHITE TOPPING YELAHANKA FROM SHESHADRIPURAM FIRST GRADE COLLEGE TO AROMA BAKERY JUNCTION
MEASUREMENT SHEET

BOQ Item no. 9

Providing and laying White Topping as per IRC:SP76-2008 over bituminous surface (Existing bituminous surface preparation to be done if necessary either by milling or levelling course with BM/DBM to correct surface profile and to be paid separately) with unreinforced M-40 grade pavement quality concrete (PQC)using polymeric synthetic fibre as per ASTM (1116) such as polyester I polyethylene I polypropylene at 1.20 kg/cum, mixed in batching and mixing plant or weigh batcher as per approved mix design to achieve minimum flexural strength or modulus of rupture of concrete 4.50 MPa at 28 days limiting maximum water cement ratio to 0.40, transported to site, laid with mechanical paver finisher, spread, vibrated, compacted and finished in a continuous operation to the lines and grades as per drawing, texture finishing of surface, spraying two layers of curing compound, curing with water sprayed on hessian cloth coverd over concrete surface, groove cutting to a depth of 1/3 of the slab depth and of width 3-5 mm including the cost of filling the joint with joint sealant as per IRC-15, as per design (grove cutting to be paid separately). For Thin white Topping and ultra thin white topping the groove cutting shall be 1.25mm x 1.25m grid including cost of all materal, side form work, labour and HOM of machineries etc. complete as per specifications.) Do- with unreinforced M40 grade pavement quality concrete using Cum 5,813.00 43 grade OPC @ 420 kg/cum, coarse aggregate, fine aggregate and Admixture confirming to IS 9130-1999 (R-2004)

Sl No	Chainage		Unit	Nos	Length	B1	B2	Avg Breadth	Avg Depth	Quantity	Remarks
	From	To									
	For MCW PQC										
	Stretch : From Chandra Café to Jnana Jyothi School										
	9.00	30.00	Cum	1	21.00			7.50	0.17	26.70	
	30.00	60.00	Cum	1	30.00			7.50	0.17	38.25	
	60.00	90.00	Cum	1	30.00			7.50	0.17	38.25	
	90.00	120.00	Cum	1	30.00			7.50	0.17	38.25	
	120.00	150.00	Cum	1	30.00			7.50	0.17	38.25	
	150.00	180.00	Cum	1	30.00			7.50	0.17	38.25	
	180.00	210.00	Cum	1	30.00			7.50	0.17	38.25	
	210.00	240.00	Cum	1	30.00			7.50	0.17	38.25	
	240.00	270.00	Cum	1	30.00			7.50	0.17	38.25	
	270.00	300.00	Cum	1	30.00			7.50	0.17	38.25	
	300.00	330.00	Cum	1	30.00			7.50	0.17	38.25	
	330.00	360.00	Cum	1	30.00			7.50	0.17	38.25	
	360.00	390.00	Cum	1	30.00			7.50	0.17	38.25	
	390.00	420.00	Cum	1	30.00			7.50	0.17	12.75	
	420.00	430.00	Cum	1	10.00			7.50	0.17	-1.72	Culvert
	Deductions		Cum	-1	1.35					4.85	LHS
	Near Cross Road							1.90	0.17	3.06	RHS
	157.00	172.00	Cum	1	15.00			1.20	0.17		
	157.00	172.00	Cum	1	15.00						
	Near Chainage : 442 Curve LHS							20.02	0.17	3.40	Triangle
			Cum	1				1.10	0.17	-0.46	Chamber
	Deductions		Cum	-1	2.45						
	Stretch : From Vishnu Park towards Kanthi Sweets- MCW PQC										
	440.00	470.00	Cum	1	30.00			7.50	0.17	38.25	
	470.00	500.00	Cum	1	30.00			7.50	0.17	38.25	
	500.00	530.00	Cum	1	30.00			7.50	0.17	38.25	
	530.00	560.00	Cum	1	30.00			7.50	0.17	38.25	
	560.00	590.00	Cum	1	30.00			7.50	0.17	38.25	
	590.00	620.00	Cum	1	30.00			7.50	0.17	38.25	
	620.00	650.00	Cum	1	30.00			7.50	0.17	38.25	
	650.00	680.00	Cum	1	30.00			7.50	0.17	38.25	
	680.00	710.00	Cum	1	30.00			7.50	0.17	38.25	
	710.00	740.00	Cum	1	30.00			7.50	0.17	38.25	
	740.00	750.00	Cum	1	10.00			7.50	0.17	12.75	
	Total Quantity		**Cum**							**941.15**	

Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-92

Infra Support Engineering Consultants Pvt. Ltd. Bengaluru

AE
18/6/21

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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NCC LIMITED
BRUHAT BENGALURU MAHANAGAR PALIKE
WHITE TOPPING YELAHANKA FROM SHESHADRIPURAM FIRST GRADE COLLEGE TO AROMA BAKERY JUNCTION
MEASUREMENT SHEET

BOQ Item no. 17

KSRB 14.6-1: Providing and laying heavy duty cobble stones 100mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of M40 over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS

Sl No	Chainage From	Chainage To	Unit	Nos	Length	B1	B2	Avg Breadth	Avg Depth	Quantity	Remarks
	For Buffer Zone										
	Stretch : From Chandra Café to Yes Bank - LHS										
	9.00	30.00	Sqm	1	21.00	1.45	1.60	1.53		32.03	
	30.00	40.00	Sqm	1	10.00	1.60	1.75	1.68		16.75	
	40.00	50.00	Sqm	1	10.00	1.75	1.80	1.78		17.75	
	50.00	60.00	Sqm	1	10.00	1.80	1.80	1.80		18.00	
	60.00	70.00	Sqm	1	10.00	1.80	1.80	1.80		18.00	
	70.00	80.00	Sqm	1	10.00	1.80	1.80	1.80		18.00	
	80.00	90.00	Sqm	1	10.00	1.80	1.90	1.85		18.50	
	90.00	100.00	Sqm	1	10.00	1.90	1.74	1.82		18.20	
	100.00	110.00	Sqm	1	10.00	1.74	1.74	1.74		17.40	
	110.00	120.00	Sqm	1	10.00	1.74	1.75	1.75		17.45	
	120.00	130.00	Sqm	1	10.00	1.75	1.75	1.75		17.50	
	130.00	140.00	Sqm	1	10.00	1.75	1.75	1.75		17.50	
	140.00	150.00	Sqm	1	10.00	1.75	1.75	1.75		17.50	
	150.00	157.00	Sqm	1	7.00	1.75	1.70	1.73		12.08	
	For Buffer Zone										
	Stretch : From Yes Bank to Chandra Café - RHS										
	9.00	20.00	Sqm	1	11.00	1.55	1.55	1.55		17.05	
	20.00	30.00	Sqm	1	10.00	1.55	1.50	1.53		15.35	
	30.00	40.00	Sqm	1	10.00	1.50	1.50	1.50		15.00	
	40.00	50.00	Sqm	1	10.00	1.50	1.50	1.50		15.00	
	50.00	56.00	Sqm	1	6.00	1.50	1.50	1.50		9.00	
	56.00	63.00	Sqm	1	7.00	3.40	3.40	3.40		23.80	College Entrance
	63.00	70.00	Sqm	1	7.00	1.20	1.20	1.20		8.40	
	70.00	80.00	Sqm	1	10.00	1.20	1.25	1.23		12.25	
	80.00	90.00	Sqm	1	10.00	1.25	1.20	1.23		12.25	
	90.00	100.00	Sqm	1	10.00	1.20	1.20	1.20		12.00	
	100.00	110.00	Sqm	1	10.00	1.20	1.10	1.15		11.50	
	110.00	120.00	Sqm	1	10.00	1.10	1.20	1.15		11.50	
	120.00	130.00	Sqm	1	10.00	1.20	1.20	1.20		12.00	
	130.00	140.00	Sqm	1	10.00	1.20	1.30	1.25		12.50	
	140.00	152.00	Sqm	1	12.00	1.30	1.30	1.30		15.60	
	For Buffer Zone										
	Stretch : From YES Bank to Vishnu Park - RHS										
	175.00	190.00	Sqm	1	15.00	1.15	1.20	1.18		17.63	
	190.00	200.00	Sqm	1	10.00	1.20	1.20	1.20		12.00	
	200.00	210.00	Sqm	1	10.00	1.20	1.20	1.20		12.00	
	210.00	220.00	Sqm	1	10.00	1.20	1.20	1.20		12.00	
	220.00	230.00	Sqm	1	10.00	1.20	1.25	1.23		12.25	
	230.00	240.00	Sqm	1	10.00	1.25	1.25	1.25		12.50	
	240.00	250.00	Sqm	1	10.00	1.25	1.25	1.25		12.50	
	250.00	260.00	Sqm	1	10.00	1.25	1.27	1.26		12.60	
	260.00	270.00	Sqm	1	10.00	1.27	1.30	1.29		12.85	
	270.00	280.00	Sqm	1	10.00	1.30	1.25	1.28		12.75	
	280.00	290.00	Sqm	1	10.00	1.25	1.25	1.25		12.50	
	290.00	300.00	Sqm	1	10.00	1.25	1.20	1.23		12.25	
	300.00	310.00	Sqm	1	10.00	1.20	1.00	1.10		11.00	
	310.00	320.00	Sqm	1	10.00	1.00	0.85	0.93		9.25	
	320.00	330.00	Sqm	1	10.00	0.85	0.85	0.85		8.50	
	330.00	340.00	Sqm	1	10.00	0.85	0.85	0.85		8.50	
	340.00	350.00	Sqm	1	10.00	0.85	0.80	0.83		8.25	
	350.00	360.00	Sqm	1	10.00	0.80	0.80	0.80		8.00	

28/4/21

Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

5/5

16/5/21

28/7/21 AE

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BOQ Item no. 17

KSRB 14.6-1: Providing and laying heavy duty cobble stones 100mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of M40 over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS

Sl No	Chainage		Unit	Nos	Length	B1	B2	Avg Breadth	Avg Depth	Quantity	Remarks
	From	To									
	360.00	370.00	Sqm	1	10.00	0.80	2.00	1.40		14.00	
	370.00	380.00	Sqm	1	10.00	2.00	1.10	1.55		15.50	
	380.00	390.00	Sqm	1	10.00	1.10	1.28	1.19		11.90	
	390.00	400.00	Sqm	1	10.00	1.28	1.20	1.24		12.40	
	400.00	410.00	Sqm	1	10.00	1.20	1.20	1.20		12.00	
	410.00	420.00	Sqm	1	10.00	1.20	1.20	1.20		12.00	
	420.00	430.00	Sqm	1	10.00	1.20	1.20	1.20		12.00	
For Buffer Zone											
Stretch: Vishnu Park to Kanthi Sweets - RHS(Ch:450 to 800)											
	442.00	450.00	Sqm	1	8.00			1.50		12.00	
	450.00	460.00	Sqm	1	10.00			1.50		15.00	
	460.00	465.00	Sqm	1	5.00			1.50		7.50	
	465.00	480.00	Sqm	1	15.00			1.50		22.50	
	480.00	485.00	Sqm	1	5.00			1.50		7.50	
	485.00	493.00	Sqm	1	8.00			1.50		12.00	
	493.00	500.00	Sqm	1	7.00			1.50		10.50	
	500.00	510.00	Sqm	1	10.00			1.50		15.00	
	510.00	520.00	Sqm	1	10.00			1.50		15.00	
	520.00	530.00	Sqm	1	10.00			1.50		15.00	
	530.00	540.00	Sqm	1	10.00			1.50		15.00	
	540.00	550.00	Sqm	1	10.00			1.50		15.00	
	550.00	560.00	Sqm	1	10.00			1.50		15.00	
	560.00	572.00	Sqm	1	12.00			1.50		18.00	
	572.00	583.00	Sqm	1	11.00			1.50		16.50	
	583.00	590.00	Sqm	1	7.00			1.50		10.50	
	590.00	600.00	Sqm	1	10.00			1.50		15.00	
	600.00	610.00	Sqm	1	10.00			1.50		15.00	
	610.00	620.00	Sqm	1	10.00			1.50		15.00	
	620.00	630.00	Sqm	1	10.00			1.50		15.00	
	630.00	640.00	Sqm	1	10.00			1.50		15.00	
	640.00	650.00	Sqm	1	10.00			1.50		15.00	
	650.00	660.00	Sqm	1	10.00			1.50		15.00	
	660.00	670.00	Sqm	1	10.00			1.50		15.00	
	670.00	680.00	Sqm	1	10.00			1.50		15.00	
	680.00	685.00	Sqm	1	5.00			1.50		7.50	
	685.00	700.00	Sqm	1	15.00			1.50		22.50	
	700.00	710.00	Sqm	1	10.00			1.50		15.00	
	710.00	720.00	Sqm	1	10.00			1.50		15.00	
	720.00	730.00	Sqm	1	10.00			1.50		15.00	
	730.00	740.00	Sqm	1	10.00			1.50		15.00	
	740.00	750.00	Sqm	1	10.00			1.50		15.00	
Total Quantity			**Sqm**							**1218.88**	

Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

28/7/21

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NCC LIMITED
BRUHAT BENGALURU MAHANAGAR PALIKE
WHITE TOPPING YELAHANKA FROM SHESHADRIPURAM FIRST GRADE COLLEGE TO AROMA BAKERY JUNCTION
MEASUREMENT SHEET

BOQ from pg. 2*
KSRRB M2500-5.1 Providing and laying cement concrete of mix 1:2:4 with OPC @ 340kg/, with 40mm and down size graded granite metal coarse aggregates @0.83cum and fine aggregates @ 0.42cum including cost of materials, labour, HOM curing, form works, scaffolding and centering complete as per MORTH Section : 2200 & IS 456 a) upto 5mtr heigh = (M-15) (PW,P& IWTD SR 2018-19 p-228,1-28,7.1)

Sl No	Chainage From	Chainage To	Unit	Nos	Length	B1	B2	Avg Breadth	Avg Depth	Quantity	Remarks
	For Drain										
	Stretch : From Chandra Café to Jnana Jyothi School - LHS										
	20.00	30.00	Cum	1.00	10.00			1.25	0.10	1.25	
	30.00	39.00	Cum	1.00	9.00			1.25	0.10	1.13	
	39.00	45.00	Cum	1.00	6.00			1.25	0.10	0.75	Culvert
	45.00	55.00	Cum	1.00	10.00			1.25	0.10	1.25	
	55.00	65.00	Cum	1.00	10.00			1.25	0.10	1.25	
	65.00	75.00	Cum	1.00	10.00			1.25	0.10	1.25	
	75.00	85.00	Cum	1.00	10.00			1.25	0.10	1.25	
	85.00	95.00	Cum	1.00	10.00			1.25	0.10	1.25	
	95.00	105.00	Cum	1.00	10.00			1.25	0.10	1.25	
	105.00	115.00	Cum	1.00	10.00			1.25	0.10	1.25	
	115.00	125.00	Cum	1.00	10.00			1.25	0.10	1.25	
	125.00	135.00	Cum	1.00	10.00			1.25	0.10	1.25	
	135.00	145.00	Cum	1.00	10.00			1.25	0.10	1.25	
	145.00	155.00	Cum	1.00	10.00			1.25	0.10	1.25	
	155.00	157.00	Cum	1.00	2.00			1.25	0.10	0.25	
	157.00	175.00									Cross Road
	175.00	185.00	Cum	1.00	10.00			1.25	0.10	1.25	
	185.00	195.00	Cum	1.00	10.00			1.25	0.10	1.25	
	195.00	205.00	Cum	1.00	10.00			1.25	0.10	1.25	
	205.00	215.00	Cum	1.00	10.00			1.25	0.10	1.25	
	215.00	225.00	Cum	1.00	10.00			1.25	0.10	1.25	
	225.00	230.00	Cum	1.00	5.00			1.25	0.10	0.63	
	230.00	238.00									6th Main Road
	238.00	240.00	Cum	1.00	2.00			1.25	0.10	0.25	
	240.00	250.00	Cum	1.00	10.00			1.25	0.10	1.25	
	250.00	260.00	Cum	1.00	10.00			1.25	0.10	1.25	
	260.00	266.00	Cum	1.00	6.00			1.25	0.10	0.75	
	266.00	271.00									Door No.329
	271.00	280.00	Cum	1.00	9.00			1.25	0.10	1.13	
	280.00	290.00	Cum	1.00	10.00			1.25	0.10	1.25	
	290.00	300.00	Cum	1.00	10.00			1.25	0.10	1.25	
	300.00	310.00	Cum	1.00	10.00			1.25	0.10	1.25	
	310.00	320.00	Cum	1.00	10.00			1.25	0.10	1.25	
	320.00	330.00	Cum	1.00	10.00			1.25	0.10	1.25	
	330.00	340.00	Cum	1.00	10.00			1.25	0.10	1.25	
	340.00	350.00	Cum	1.00	10.00			1.25	0.10	1.25	
	350.00	360.00	Cum	1.00	10.00			1.25	0.10	1.25	
	360.00	366.00	Cum	1.00	6.00			1.25	0.10	0.75	
	366.00	375.00									2 nd A Main Road
	375.00	380.00	Cum	1.00	5.00			1.25	0.10	0.63	
	380.00	390.00	Cum	1.00	10.00			1.25	0.10	1.25	
	390.00	400.00	Cum	1.00	10.00			1.25	0.10	1.25	
	400.00	410.00	Cum	1.00	10.00			1.25	0.10	1.25	
	410.00	413.00	Cum	1.00	3.00			1.25	0.10	0.38	
	For Drain										
	Stretch : From Vishnu Park to Kanthi Sweets LHS										
	463.40	487.50	Cum	1	24.10			1.25	0.10	3.01	
	487.50	494.50									Hume Pipe
	494.50	524.50	Cum	1	30.00			1.25	0.10	3.75	
	524.50	540.00	Cum	1	15.50			1.25	0.10	1.94	
	540.00	545.00	Cum	1	5.00			1.25	0.10	0.63	
	545.00	569.30	Cum	1	24.30			1.25	0.10	3.04	
	569.30	581.50			12.20						Culvert

Executive Engineer
Project Division 21
Yelahanka Zone
BBMP, Bangalore - 92

Infra Support Engineering Consultants Pvt. Ltd. Bengaluru

12/7/21

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BOQ Item no. 27

KSRRB M2200-5.1 Providing and laying cement concrete of mix 1:2:4 with OPC @ 240kgs. with 40mm and down size graded granite metal coarse aggregates @0.63cum and fine aggregates @ 0.42cum including cost of materials, labour, HOM curing, form works, scaffolding and centering complete as per MORTH Section : 2200 & IS 456 a) upto 5mtr heigh~ (M-15) (PW,P& IWTD SR 2018-19 P-226, 1-28.7.1)

Sl No	Chainage From	Chainage To	Unit	Nos	Length	B1	B2	Avg Breadth	Avg Depth	Quantity	Remarks
	581.50	595.00	Cum	1	13.50			1.25	0.10	1.69	
	595.00	625.00	Cum	1	30.00			1.25	0.10	3.75	
	625.00	655.00	Cum	1	30.00			1.25	0.10	3.75	
	655.00	682.00	Cum	1	27.00			1.25	0.10	3.38	
	682.00	710.00	Cum	1	28.00			1.25	0.10	3.50	
	710.00	729.80	Cum	1	19.80			1.25	0.10	2.47	
	729.80	740.40									Canara Bank
	740.40	764.80									Hume Pipe
	764.80	776.00	Cum	1	11.20			1.25	0.10	1.40	
	780.50	788.00	Cum	1	7.50			1.25	0.10	0.94	
	802.00	830.50	Cum	1	28.50			1.25	0.10	3.56	
	853.00	863.00	Cum	1	10.00			1.25	0.10	1.25	
	863.00	868.00			5.00						Hume Pipe
	868.00	888.00	Cum	1	20.00			1.25	0.10	2.50	
	888.00	902.50	Cum	1	14.50			1.25	0.10	1.81	
	908.50	924.00	Cum	1	15.50			1.25	0.10	1.94	
	948.00	960.50	Cum	1	12.50			1.25	0.10	1.56	
	964.50	976.00	Cum	1	11.50			1.25	0.10	1.44	
	987.50	995.00	Cum	1	7.50			1.25	0.10	0.94	
	1002.00	1030.00	Cum	1	28.00			1.25	0.10	3.50	
	1030.00	1053.50	Cum	1	23.50			1.25	0.10	2.94	
	1062.50	1071.80	Cum	1	9.30			1.25	0.10	1.16	
	1079.50	1104.00	Cum	1	24.50			1.25	0.10	3.06	
	For Drain										
	Stretch : From Jnana Jyothi School to Chandra Café - RHS										
	0.00	10.00	Cum	1.00	10.00			1.25	0.10	1.25	
	10.00	20.00	Cum	1.00	10.00			1.25	0.10	1.25	
	20.00	30.00	Cum	1.00	10.00			1.25	0.10	1.25	
	30.00	40.00	Cum	1.00	10.00			1.25	0.10	1.25	
	40.00	50.00	Cum	1.00	10.00			1.25	0.10	0.63	
	50.00	55.00	Cum	1.00	5.00			1.25	0.10	0.88	Culvert
	55.00	62.00	Cum	1.00	7.00			1.25	0.10	0.81	
	62.00	68.50	Cum	1.00	6.50						Hume Pipe
	68.50	77.00						1.25	0.10	0.38	
	77.00	80.00	Cum	1.00	3.00			1.25	0.10	1.25	
	80.00	90.00	Cum	1.00	10.00			1.25	0.10	1.25	
	90.00	100.00	Cum	1.00	10.00			1.25	0.10	1.25	
	100.00	110.00	Cum	1.00	10.00			1.25	0.10	1.25	
	110.00	120.00	Cum	1.00	10.00			1.25	0.10	1.25	
	120.00	123.80	Cum	1.00	3.80			1.25	0.10	0.48	
	123.80	128.30									Hume Pipe
	128.30	130.00	Cum	1.00	1.70			1.25	0.10	0.21	
	130.00	140.00	Cum	1.00	10.00			1.25	0.10	1.25	
	140.00	150.00	Cum	1.00	10.00			1.25	0.10	1.25	
	150.00	157.00	Cum	1.00	7.00			1.25	0.10	0.88	
	157.00	180.00									Cross Road
	180.00	190.00	Cum	1.00	10.00			1.25	0.10	1.25	
	190.00	200.00	Cum	1.00	10.00			1.25	0.10	1.25	
	200.00	210.00	Cum	1.00	10.00			1.25	0.10	1.25	
	210.00	221.00	Cum	1.00	11.00			1.25	0.10	1.38	
	221.00	230.00	Cum	1.00	9.00			1.25	0.10	1.13	Culvert
	230.00	240.00	Cum	1.00	10.00			1.25	0.10	1.25	
	240.00	250.00	Cum	1.00	10.00			1.25	0.10	1.25	
	250.00	260.00	Cum	1.00	10.00			1.25	0.10	1.25	
	260.00	270.00	Cum	1.00	10.00			1.25	0.10	1.25	
	270.00	280.00	Cum	1.00	10.00			1.25	0.10	1.25	
	280.00	289.00	Cum	1.00	9.00			1.25	0.10	1.13	
	289.00	294.00	Cum	1.00	5.00			1.25	0.10	0.63	Culvert
	294.00	305.00									Hume Pipe

Executive Engineer, Project Division, Yelahanka Zone, BBMP, Bangalore-92

Asst. Executive Engineer, Project Division, Yelahanka Zone, BBMP, Bangalore - 92

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Asst. Executive Engineer, Project Division, Yelahanka Zone, BBMP, Bangalore - 92

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Infra Support Engineering Consultants Ltd. Bengaluru

12/7/21 AE

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BOQ Item no. 27

KSRRB M2200-5.1 Providing and laying cement concrete of mix 1:2:4 with OPC @ 240kgs, with 40mm and down size graded granite metal coarse aggregates @0.63cum and fine aggregates @ 0.42cum including cost of materials, labour, HOM curing, form works, scaffolding and centering complete as per MORTH Section : 2200 & IS 456 a) upto 5mtr heigh~ (M-15) (PW,P& IWTD SR 2018-19 P-226, I-28.7.1)

Sl No	Chainage From	Chainage To	Unit	Nos	Length	B1	B2	Avg Breadth	Avg Depth	Quantity	Remarks
	305.00	310.00	Cum	1.00	5.00			1.25	0.10	0.63	
	310.00	320.00	Cum	1.00	10.00			1.25	0.10	1.25	
	320.00	323.00	Cum	1.00	3.00			1.25	0.10	0.38	
	323.00	328.80									Hume Pipe
	328.80	330.00	Cum	1.00	1.20			1.25	0.10	0.15	
	330.00	338.70	Cum	1.00	8.70			1.25	0.10	1.09	
	338.70	346.00									Hume Pipe
	346.00	352.00	Cum	1.00	6.00			1.25	0.10	0.75	Culvert
	352.00	360.00	Cum	1.00	8.00			1.25	0.10	1.00	
	360.00	370.00	Cum	1.00	10.00			1.25	0.10	1.25	
	370.00	380.00	Cum	1.00	10.00			1.25	0.10	1.25	
	380.00	390.00	Cum	1.00	10.00			1.25	0.10	1.25	
	390.00	400.00	Cum	1.00	10.00			1.25	0.10	1.25	
	For Drain										
	Stretch : From Vishnu Park to Kanthi Sweets - RHS										
	442.00	450.00	Cum	1.00	8.00			1.25	0.10	1.00	
	450.00	460.00	Cum	1.00	10.00			1.25	0.10	1.25	
	460.00	465.00	Cum	1.00	5.00			1.25	0.10	0.63	
	465.00	480.00	Cum	1.00	15.00			1.25	0.10	1.88	
	480.00	485.00	Cum	1.00	5.00			1.25	0.10	0.63	
	485.00	493.00	Cum	1.00	8.00			1.25	0.10	1.00	4th B Cross
	493.00	500.00	Cum	1.00	7.00			1.25	0.10	0.88	
	500.00	510.00	Cum	1.00	10.00			1.25	0.10	1.25	
	510.00	520.00	Cum	1.00	10.00			1.25	0.10	1.25	
	520.00	530.00	Cum	1.00	10.00			1.25	0.10	1.25	
	530.00	540.00	Cum	1.00	10.00			1.25	0.10	1.25	
	540.00	550.00	Cum	1.00	10.00			1.25	0.10	1.25	
	550.00	560.00	Cum	1.00	10.00			1.25	0.10	1.25	
	560.00	572.00	Cum	1.00	12.00			1.25	0.10	1.50	
	572.00	583.00	Cum	1.00	11.00			1.25	0.10	1.38	6th B Cross Road
	583.00	590.00	Cum	1.00	7.00			1.25	0.10	0.88	
	590.00	600.00	Cum	1.00	10.00			1.25	0.10	1.25	
	600.00	605.00	Cum	1.00	5.00			1.25	0.10	0.63	
	610.00	620.00									Central Garuda Mall
	620.00	630.00									
	630.00	640.00									
	640.00	650.00									
	650.00	660.00									
	660.00	670.00									
	670.00	680.00									
	680.00	685.00									
	685.00	700.00	Cum	1.00	15.00			1.25	0.10	1.88	8th B Cross
	700.00	710.00	Cum	1.00	10.00			1.25	0.10	1.25	
	710.00	720.00	Cum	1.00	10.00			1.25	0.10	1.25	
	720.00	730.00	Cum	1.00	10.00			1.25	0.10	1.25	
	730.00	740.00	Cum	1.00	10.00			1.25	0.10	1.25	
	740.00	750.00	Cum	1.00	10.00			1.25	0.10	1.25	
	750.00	760.00	Cum	1.00	10.00			1.25	0.10	1.25	
	760.00	770.00	Cum	1.00	10.00			1.25	0.10	1.25	
	770.00	780.00	Cum	1.00	10.00			1.25	0.10	1.25	
	780.00	790.00	Cum	1.00	10.00			1.25	0.10	1.25	
	790.00	800.00	Cum	1.00	10.00			1.25	0.10	1.25	
	800.00	810.00	Cum	1.00	10.00			1.25	0.10	1.25	
	810.00	815.00									Hume Pipe
	815.00	830.00	Cum	1.00	15.00			1.25	0.10	1.88	
	830.00	840.00	Cum	1.00	10.00			1.25	0.10	1.25	
	840.00	850.00	Cum	1.00	10.00			1.25	0.10	1.25	
	850.00	860.00	Cum	1.00	10.00			1.25	0.10	1.25	
	860.00	870.00	Cum	1.00	10.00			1.25	0.10	1.25	

Executive Engineer, Project Division, Yelahanka Zone, BBMP, Bangalore - 92

Asst. Executive Engineer, Project Division, Yelahanka Zone, BBMP, Bangalore - 92

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BOQ Item no. 27

KSRRB M2200-5.1 Providing and laying cement concrete of mix 1:2:4 with OPC @ 240kgs. with 40mm and down size graded granite metal coarse aggregates @0.63cum and fine aggregates @ 0.42cum including cost of materials, labour, HOM curing, form works, scaffolding and centering complete as per MORTH Section : 2200 & IS 456 a) upto 5mtr heigh~ (M-15) (PW,P& IWTD SR 2018-19 P-226.1-28.7.1)

Sl No	Chainage From	Chainage To	Unit	Nos	Length	B1	B2	Avg Breadth	Avg Depth	Quantity	Remarks
	870.00	880.00	Cum	1.00	10.00			1.25	0.10	1.25	
	880.00	890.00	Cum	1.00	10.00			1.25	0.10	1.25	
	890.00	900.00	Cum	1.00	10.00			1.25	0.10	1.25	
	900.00	910.00	Cum	1.00	10.00			1.25	0.10	1.25	
	910.00	920.00	Cum	1.00	10.00			1.25	0.10	0.63	Cross Road
	920.00	925.00	Cum	1.00	5.00			1.25	0.10	1.88	
	925.00	940.00	Cum	1.00	15.00			1.25	0.10	0.75	
	940.00	946.00	Cum	1.00	6.00			1.25			Hume Pipe
	946.00	953.00							0.10	1.63	
	953.00	966.00	Cum	1.00	13.00			1.25			Hume Pipe
	966.00	970.00							0.10	2.50	
	970.00	990.00	Cum	1.00	20.00			1.25	0.10	1.25	
	990.00	1000.00	Cum	1.00	10.00			1.25	0.10	1.25	
	1000.00	1010.00	Cum	1.00	10.00			1.25	0.10	1.25	
	1010.00	1020.00	Cum	1.00	10.00			1.25	0.10	1.25	
	1020.00	1030.00	Cum	1.00	10.00			1.25	0.10	1.25	
	1030.00	1040.00	Cum	1.00	10.00			1.25	0.10	1.25	
	1040.00	1050.00	Cum	1.00	10.00			1.25	0.10	1.25	
	1050.00	1060.00	Cum	1.00	10.00			1.25	0.10	1.25	
	1060.00	1070.00	Cum	1.00	10.00			1.25	0.10	1.25	
	1070.00	1080.00	Cum	1.00	10.00			1.25	0.10	1.25	
	1080.00	1090.00	Cum	1.00	10.00			1.25	0.10	1.25	
	1090.00	1100.00	Cum	1.00	10.00			1.25	0.10	1.25	
	For Footpath										
	Stretch : From Chandra Café to Yes Bank - LHS										
	20.00	40.00	Cum	1	20.00	2.70	2.45	2.58	0.10	5.15	
	45.00	60.00	Cum	1	15.00	2.10	2.64	2.37	0.10	3.56	
	60.00	70.00	Cum	1	10.00	2.64	2.60	2.62	0.10	2.62	
	70.00	90.00	Cum	1	20.00	2.60	2.80	2.70	0.10	5.40	
	90.00	120.00	Cum	1	30.00	2.80	2.80	2.80	0.10	8.40	
	120.00	150.00	Cum	1	30.00	2.80	2.40	2.60	0.10	7.80	
	150.00	157.00	Cum	1	7.00	2.40	2.00	2.20	0.10	1.54	
			Cum	-1	1.54	1.05	1.05	1.05	0.10	-0.16	
			Cum	-1	1.43	1.10	1.10	1.10	0.10	-0.16	
			Cum	-1	1.62	1.55	1.55	1.55	0.10	-0.25	
			Cum	-1	1.20	1.10	1.10	1.10	0.10	-0.13	
			Cum	-1	1.72	1.60	1.60	1.60	0.10	-0.28	
			Cum	-1	2.40	2.02	2.02	2.02	0.10	-0.48	
			Cum	-1	1.20	1.32	1.32	1.32	0.10	-0.16	
			Cum	-1	1.30	1.20	1.20	1.20	0.10	-0.16	
			Cum	-1	2.80	2.10	2.10	2.10	0.10	-0.59	
			Cum	-1	1.51	1.92	1.92	1.92	0.10	-0.29	
			Cum	-1	3.20	0.40	0.40	0.40	0.10	-0.13	
			Cum	-1	2.80	0.40	0.40	0.40	0.10	-0.11	
			Cum	-1	3.00	0.40	0.40	0.40	0.10	-0.12	
			Cum	-1	3.00	0.40	0.40	0.40	0.10	-0.12	
			Cum	-1	3.00	0.40	0.40	0.40	0.10	-0.12	
			Cum	-1	3.00	0.40	0.40	0.40	0.10	-0.12	
			Cum	-1	2.60	0.40	0.40	0.40	0.10	-0.10	
			Cum	-1	2.60	0.40	0.40	0.40	0.10	-0.10	
	For Footpath										
	Stretch : From YES Bank to Vishnu Park - LHS										
	180.00	190.00	Cum	1.00	10.00	2.62	2.74	2.68	0.10	2.68	
	190.00	200.00	Cum	1.00	10.00	2.74	2.21	2.48	0.10	2.48	
	200.00	210.00	Cum	1.00	10.00	2.21	2.90	2.56	0.10	2.56	
	210.00	220.00	Cum	1.00	10.00	2.90	2.90	2.90	0.10	2.90	
	220.00	230.00	Cum	1.00	10.00	2.90	2.90	2.90	0.10	2.90	
	230.00	238.50									12th Main Road
	238.50	240.00	Cum	1.00	1.50	3.65	3.65	3.65	0.10	0.55	

Deductions-Tree Pits

Deductions-Shoulder Drains

Executive Engineer, Project Division, Yelahanka Zone, BBMP, Bangalore-92

Executive Engineer, Project Division, Yelahanka Zone, BBMP, Bangalore - 92

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BOQ Item no. 27

KSRRB M2200-5.1 Providing and laying cement concrete of mix 1:2:4 with OPC @ 240kgs. with 40mm and down size graded granite metal coarse aggregates @0.63cum and fine aggregates @ 0.42cum including cost of materials, labour, HOM curing, form works, scaffolding and centering complete as per MORTH Section : 2200 & IS 456 a) upto 5mtr heigh~ (M-15) (PW,P& IWTD SR 2018-19 P-226, I-28.7.1)

Sl No	Chainage From	Chainage To	Unit	Nos	Length	B1	B2	Avg Breadth	Avg Depth	Quantity	Remarks
	240.00	250.00	Cum	1.00	10.00	3.65	3.35	3.50	0.10	3.50	
	250.00	260.00	Cum	1.00	10.00	3.35	3.35	3.35	0.10	3.35	
	260.00	266.00	Cum	1.00	6.00	3.35	3.35	3.35	0.10	2.01	
	271.00	280.00	Cum	1.00	9.00	3.35	3.45	3.40	0.10	3.06	
	280.00	290.00	Cum	1.00	10.00	3.45	3.60	3.53	0.10	3.53	
	290.00	300.00	Cum	1.00	10.00	3.60	3.35	3.48	0.10	3.48	
	300.00	310.00	Cum	1.00	10.00	3.35	3.20	3.28	0.10	3.28	
	310.00	320.00	Cum	1.00	10.00	3.20	2.95	3.08	0.10	3.08	
	320.00	330.00	Cum	1.00	10.00	2.95	3.30	3.13	0.10	3.13	
	330.00	340.00	Cum	1.00	10.00	3.30	3.15	3.23	0.10	3.23	
	340.00	350.00	Cum	1.00	10.00	3.15	3.15	3.15	0.10	3.15	
	350.00	360.00	Cum	1.00	10.00	3.15	3.55	3.35	0.10	3.35	
	360.00	366.00	Cum	1.00	6.00	3.55	2.95	3.25	0.10	1.95	
	366.00	375.00									
	375.00	380.00	Cum	1.00	5.00	2.95	2.95	2.95	0.10	1.48	
	380.00	390.00	Cum	1.00	10.00	2.75	2.65	2.70	0.10	2.70	
	390.00	400.00	Cum	1.00	10.00	2.65	2.95	2.80	0.10	2.80	
	400.00	410.00	Cum	1.00	10.00	2.95	2.85	2.90	0.10	2.90	
	410.00	420.00	Cum	1.00	10.00	2.85	5.30	4.08	0.10	4.08	
	420.00	430.00	Cum	1.00	10.00	5.30	4.80	5.05	0.10	5.05	
	Deductions-Tree Pits		Cum	-12.00	3.00	2.50	2.50	2.50	0.10	-9.00	
	For Footpath										
	Stretch : From Vishnu Park to Kanthi Sweets - LHS										
	450.00	460.00	Cum	1.00	10.00	4.55	4.70	4.63	0.10	4.63	
	460.00	465.00	Cum	1.00	5.00	4.70	2.77	3.74	0.10	1.87	
	465.00	480.00	Cum	1.00	15.00	2.77	2.75	2.76	0.10	4.14	
	480.00	485.00	Cum	1.00	5.00	2.75	2.70	2.73	0.10	1.36	
	485.00	493.00	Cum	1.00	8.00	2.70	2.70	2.70	0.10	2.16	
	493.00	500.00	Cum	1.00	7.00	2.70	2.70	2.70	0.10	1.89	
	500.00	510.00	Cum	1.00	10.00	2.70	2.40	2.55	0.10	2.55	
	510.00	520.00	Cum	1.00	10.00	2.40	2.40	2.40	0.10	2.40	
	520.00	530.00	Cum	1.00	10.00	2.40	2.30	2.35	0.10	2.35	
	530.00	540.00	Cum	1.00	10.00	2.30	2.10	2.20	0.10	2.20	
	540.00	550.00	Cum	1.00	10.00	2.10	2.37	2.24	0.10	2.24	
	550.00	560.00	Cum	1.00	10.00	2.37	2.25	2.31	0.10	2.31	
	560.00	572.00	Cum	1.00	12.00	2.25	2.50	2.38	0.10	2.85	6th B Cross Road
	572.00	583.00									
	583.00	590.00	Cum	1.00	7.00	2.40	2.52	2.46	0.10	1.72	
	590.00	600.00	Cum	1.00	10.00	2.52	2.45	2.49	0.10	2.49	
	600.00	610.00	Cum	1.00	10.00	2.45	2.35	2.40	0.10	2.40	
	610.00	620.00	Cum	1.00	10.00	2.35	2.40	2.38	0.10	2.38	
	620.00	630.00	Cum	1.00	10.00	2.40	2.34	2.37	0.10	2.37	
	630.00	640.00	Cum	1.00	10.00	2.34	2.10	2.22	0.10	2.22	
	640.00	650.00	Cum	1.00	10.00	2.10	2.05	2.08	0.10	2.08	
	650.00	660.00	Cum	1.00	10.00	2.05	2.00	2.03	0.10	2.03	
	660.00	670.00	Cum	1.00	10.00	2.00	1.95	1.98	0.10	1.98	
	670.00	680.00	Cum	1.00	10.00	1.95	2.00	1.98	0.10	1.98	
	680.00	685.00	Cum	1.00	5.00	2.00	1.87	1.94	0.10	0.97	
	685.00	700.00	Cum	1.00	15.00	1.87	2.16	2.02	0.10	3.02	
	700.00	710.00	Cum	1.00	10.00	2.16	2.10	2.13	0.10	2.13	
	710.00	720.00	Cum	1.00	10.00	2.10	2.05	2.08	0.10	2.08	
	720.00	730.00	Cum	1.00	10.00	2.05	2.05	2.05	0.10	2.05	
	730.00	740.00	Cum								9th A Cross
	740.00	750.00	Cum	1.00	10.00	3.40	3.55	3.48	0.10	3.48	
	Deductions-HDPE Chambers		Cum	-5.00	3.00	2.50	2.50	2.50	0.10	-3.75	
			Cum	-1.00	2.45			3.20	0.10	-0.78	
			Cum	-1.00	1.20			1.10	0.10	-0.13	J Jo Chamber

Executive Engineer, Project Division, Yelahanka Zone, BBMP, Bangalore - 92

Asst. Executive Engineer, Project Division, 2nd Main Road, Yelahanka Zone, BBMP, Bangalore - 92

Asst. Executive Engineer, Project Division, Yelahanka Zone, BBMP, Bangalore - 92

Asst. Executive Engineer, Project Division, 9th A Cross, Yelahanka Zone, BBMP, Bangalore - 92

NCC LIMITED

Infra Support Engineering Consultants Ltd. Bengaluru

AE 12/7/21

28/3/21

28/4

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BOQ Item no. 27

KSRRB M2200-5.1 Providing and laying cement concrete of mix 1:2:4 with OPC @ 240kgs. with 40mm and down size graded granite metal coarse aggregates @0.63cum and fine aggregates @ 0.42cum including cost of materials, labour, HOM curing, form works, scaffolding and centering complete as per MORTH Section : 2200 & IS 456 a) upto 5mtr heigh– (M-15) (PW,P& IWTD SR 2018-19 P-226,1-28.7.1)

Sl No	Chainage From	Chainage To	Unit	Nos	Length	B1	B2	Avg Breadth	Avg Depth	Quantity	Remarks
	Deductions-Tree Pits		Cum	-1.00	1.65			2.00	0.10	-0.33	
			Cum	-4.00	1.40			1.40	0.10	-0.78	
			Cum	-1.00	3.60			1.60	0.10	-0.58	
			Cum	-1.00	1.40			1.60	0.10	-0.22	
			Cum	-1.00	1.90			1.82	0.10	-0.35	
			Cum	-2.00	1.45			1.60	0.10	-0.46	
			Cum	-1.00	2.50			2.30	0.10	-0.58	
			Cum	-2.00	1.45			1.55	0.10	-0.45	
			Cum	-5.00	2.45			2.35	0.10	-2.88	
	For Footpath Stretch : Stretch: From Chandra Café to Yes Bank- RHS										
	0.00	12.00	Cum	1	12.00	2.02	2.02	2.28	0.10	2.42	College Gate
	12.00	35.00	Cum	1	23.00	2.54	2.02	2.37	0.10	5.24	
	35.00	55.50	Cum	1	20.50	2.20	2.54			4.86	
	55.00	62.00									
	62.00	70.00	Cum	1	8.00	1.95	1.60	1.78	0.10	1.42	
	70.00	75.00	Cum	1	5.00	2.20	1.95	2.08	0.10	1.04	
	75.00	90.00	Cum	1	15.00	2.00	2.20	2.10	0.10	3.15	
	90.00	108.00	Cum	1	18.00	1.95	2.00	1.98	0.10	3.56	
	115.00	125.00	Cum	1	10.00	2.03	1.95	1.99	0.10	1.99	
	125.00	130.00	Cum	1	5.00	2.40	2.03	2.22	0.10	1.11	
	130.00	137.00	Cum	1	7.00	2.70	2.40	2.55	0.10	1.79	
	137.00	140.00	Cum	1	3.00	3.10	2.70	2.90	0.10	0.87	
	140.00	157.00	Cum	1	17.00	1.50	3.10	2.30	0.10	3.91	
	Deductions-Tree Pits		Cum	-1	1.60	1.31	1.31	1.31	0.10	-0.21	
			Cum	-1	1.75	2.10	2.10	2.10	0.10	-0.37	
			Cum	-1	1.75	2.10	2.10	2.10	0.10	-0.37	
			Cum	-1	2.40	4.30	4.30	4.30	0.10	-1.03	
			Cum	-1	1.96	1.65	1.65	1.65	0.10	-0.32	
			Cum	-1	1.46	1.23	1.23	1.23	0.10	-0.18	
			Cum	-1	1.46	1.23	1.23	1.23	0.10	-0.18	
			Cum	-1	2.18	5.50	5.50	5.50	0.10	-1.20	
			Cum	-1	1.77	1.34	1.34	1.34	0.10	-0.24	
			Cum	-1	2.54	2.00	2.00	2.00	0.10	-0.51	
			Cum	-1	1.50	1.33	1.33	1.33	0.10	-0.20	
			Cum	-1	2.02	1.92	1.92	1.92	0.10	-0.39	
	For Footpath Stretch : From YES Bank to Vishnu Park - RHS										
	175.00	190.00	Cum	1.00	15.00	3.10	3.10	3.10	0.10	4.65	
	190.00	200.00	Cum	1.00	10.00	3.10	3.10	3.10	0.10	3.10	
	200.00	210.00	Cum	1.00	10.00	3.10	3.82	3.46	0.10	3.46	
	210.00	220.00	Cum	1.00	10.00	3.82	2.60	3.21	0.10	3.21	
	220.00	230.00	Cum	1.00	10.00	2.60	2.46	2.53	0.10	2.53	
	230.00	240.00	Cum	1.00	10.00	2.46	2.00	2.23	0.10	2.23	
	240.00	250.00	Cum	1.00	10.00	2.00	2.26	2.13	0.10	2.13	
	250.00	260.00	Cum	1.00	10.00	2.26	2.62	2.44	0.10	2.44	
	260.00	270.00	Cum	1.00	10.00	2.62	2.86	2.74	0.10	2.74	
	270.00	280.00	Cum	1.00	10.00	2.86	2.60	2.73	0.10	2.73	
	280.00	290.00	Cum	1.00	10.00	2.60	2.65	2.63	0.10	2.63	
	290.00	294.00	Cum	1.00	4.00	2.65	2.45	2.55	0.10	1.02	
	305.00	310.00	Cum	1.00	5.00	2.45	2.45	2.45	0.10	1.23	
	310.00	323.00	Cum	1.00	13.00	2.45	3.05	2.75	0.10	3.58	
	323.00	330.00	Cum	1.00	1.20	3.05	2.70	2.88	0.10	0.34	
	330.00	338.70	Cum	1.00	8.70	2.70	2.50	2.60	0.10	2.26	
	345.70	350.00	Cum	1.00	4.30	2.50	2.75	2.63	0.10	1.13	
	350.00	360.00	Cum	1.00	10.00	2.75	2.84	2.80	0.10	2.80	
	360.00	370.00	Cum	1.00	10.00	2.84	3.25	3.05	0.10	3.05	
	370.00	380.00	Cum	1.00	10.00	3.25	3.10	3.18	0.10	3.18	
	380.00	390.00	Cum	1.00	10.00	3.10	3.10	3.10	0.10	3.10	
	390.00	400.00	Cum	1.00	10.00	3.10	2.65	2.88	0.10	2.88	

Executive Engineer, Project Division, Yelahanka Zone, BBMP, Bangalore-92

Executive Engineer, Project Division, Yelahanka Zone, BBMP, Bangalore-92

Executive Engineer, Project Division, Yelahanka Zone, BBMP, Bangalore-92

Executive Engineer, Project Division, Yelahanka Zone, BBMP, Bangalore - 92

NCC LIMITED, Projects

Infra Support Engineering Consultants Pvt. Ltd., Bengaluru

AE 12/7/21

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BOQ from sta 0.0

AGGR M1500-C1 Providing and laying cement concrete of mix 1:3:6 with OPC 43 grade, fresh potable water, machine mixed graded granite metal coarse aggregates 40mm to 6mm and fine aggregates 6mm to down including cost of materials, labour, hire charges of all tools & plants, curing, scaffolding and centering complete as per MoRTH Section : 1500 & IS 456 at ground level for all depths and all lifts

326.1+28.7+13

Sl No	Chainage From	Chainage To	Units	Nos	Length	B/L	B/W	Avg Breadth	Avg Depth	Quantity	Remarks
	0.00	10.00									
	10.00	20.00	Cum	1.00	10.00	1.65	1.45	1.55	0.10	1.60	
	20.00	30.00	Cum	1.00	10.00	1.65	1.50	1.58	0.10	1.63	
	30.00	40.00	Cum	1.00	10.00	1.65	1.50	1.58	0.10	1.63	
	Deductions-Tree Pits		Cum	1.00	10.00	1.50	1.50	1.50	0.10	1.50	14.66
	For Footpath										
	Stretch : From Vishnu Park to Kauthi Sweets - RHS										
	0.00	10.00	Cum	1.00	10.00	1.00	1.00	1.00	0.10	1.00	4th B Cross
	10.00	20.00	Cum	1.00	10.00	1.00	1.00	1.00	0.10	1.00	
	20.00	30.00	Cum	1.00	10.00	1.00	1.00	1.00	0.10	1.00	
	30.00	40.00	Cum	1.00	10.00	1.00	1.00	1.00	0.10	1.00	
	40.00	50.00	Cum	1.00	10.00	1.00	1.00	1.00	0.10	1.00	
	50.00	60.00	Cum	1.00	10.00	1.00	1.00	1.00	0.10	1.00	
	60.00	70.00	Cum	1.00	10.00	1.00	1.00	1.00	0.10	1.00	
	70.00	80.00	Cum	1.00	10.00	1.00	1.00	1.00	0.10	1.00	
	80.00	85.00	Cum	1.00	5.00	1.00	1.00	1.00	0.10	0.50	
	85.00	90.00									
	90.00	100.00	Cum	1.00	10.00	1.45	1.45	1.45	0.10	1.45	8th B Cross Road
	100.00	110.00	Cum	1.00	10.00	1.50	1.50	1.50	0.10	1.50	
	110.00	120.00	Cum	1.00	10.00	1.50	1.50	1.50	0.10	1.50	
	120.00	130.00	Cum	1.00	10.00	1.50	1.50	1.50	0.10	1.50	
	130.00	140.00	Cum	1.00	10.00	1.50	1.50	1.50	0.10	1.50	
	140.00	150.00	Cum	1.00	10.00	1.50	1.50	1.50	0.10	1.50	
	150.00	160.00	Cum	1.00	10.00	1.50	1.50	1.50	0.10	1.50	
	160.00	170.00	Cum	1.00	10.00	1.50	1.50	1.50	0.10	1.50	
	170.00	172.00	Cum	1.00	2.00	1.50	1.50	1.50	0.10	0.30	
	172.00	183.00									
	183.00	190.00	Cum	1.00	7.00	1.75	1.75	1.75	0.10	1.23	
	190.00	200.00	Cum	1.00	10.00	1.75	1.50	1.63	0.10	1.63	
	200.00	210.00	Cum	1.00	10.00	1.50	1.50	1.50	0.10	1.50	
	210.00	220.00	Cum	1.00	10.00	1.50	1.50	1.50	0.10	1.50	
	220.00	230.00	Cum	1.00	10.00	1.50	1.50	1.50	0.10	1.50	
	230.00	240.00	Cum	1.00	10.00	1.50	1.50	1.50	0.10	1.50	
	240.00	250.00	Cum	1.00	10.00	1.50	1.50	1.50	0.10	1.50	
	250.00	260.00	Cum	1.00	10.00	1.50	1.50	1.50	0.10	1.50	
	260.00	270.00	Cum	1.00	10.00	1.50	1.50	1.50	0.10	1.50	
	270.00	280.00	Cum	1.00	10.00	1.50	1.50	1.50	0.10	1.50	
	280.00	285.00	Cum	1.00	5.00	1.50	1.50	1.50	0.10	0.75	
	285.00	290.00									
	290.00	300.00	Cum	1.00	10.00	1.60	1.60	1.60	0.10	1.60	
	300.00	310.00	Cum	1.00	10.00	1.60	1.60	1.60	0.10	1.60	
	310.00	320.00	Cum	1.00	10.00	1.60	1.60	1.60	0.10	1.60	
	320.00	330.00	Cum	1.00	10.00	1.60	1.60	1.60	0.10	1.60	
	330.00	340.00	Cum	1.00	10.00	1.60	1.60	1.60	0.10	1.60	
	340.00	350.00	Cum	1.00	10.00	1.60	1.60	1.60	0.10	1.60	
	350.00	360.00	Cum	1.00	10.00	1.60	1.60	1.60	0.10	1.60	
	360.00	370.00	Cum	1.00	10.00	1.60	1.60	1.60	0.10	1.60	
	370.00	383.00									
	383.00	390.00	Cum	1.00	7.00	1.75	1.75	1.75	0.10	1.23	
	390.00	400.00	Cum	1.00	10.00	1.75	1.50	1.63	0.10	1.63	
	400.00	410.00	Cum	1.00	10.00	1.50	1.50	1.50	0.10	1.50	
	410.00	420.00	Cum	1.00	10.00	1.50	1.50	1.50	0.10	1.50	
	420.00	430.00	Cum	1.00	10.00	1.50	1.50	1.50	0.10	1.50	
	430.00	440.00	Cum	1.00	10.00	1.50	1.50	1.50	0.10	1.50	
	440.00	450.00	Cum	1.00	10.00	1.50	1.50	1.50	0.10	1.50	
	450.00	460.00	Cum	1.00	10.00	1.50	1.50	1.50	0.10	1.50	
	460.00	470.00	Cum	1.00	10.00	0.00	0.00	0.00	0.10	0.00	
	470.00	480.00	Cum	1.00	10.00	0.00	0.00	0.00	0.10	0.00	
	480.00	485.00	Cum	1.00	5.00	0.00	0.00	0.00	0.10	0.00	
	485.00	490.00									
	490.00	500.00	Cum	1.00	10.00	3.60	3.60	3.60	0.10	3.60	
	500.00	510.00	Cum	1.00	10.00	3.60	3.60	3.60	0.10	3.60	
	510.00	520.00	Cum	1.00	10.00	3.60	3.60	3.60	0.10	3.60	
	520.00	530.00	Cum	1.00	10.00	3.60	3.60	3.60	0.10	3.60	
	530.00	540.00	Cum	1.00	10.00	3.60	3.60	3.60	0.10	3.60	
	540.00	550.00	Cum	1.00	10.00	3.60	3.60	3.60	0.10	3.60	
	550.00	560.00	Cum	1.00	10.00	3.60	3.60	3.60	0.10	3.60	
	560.00	572.00	Cum	1.00	12.00	3.60	3.60	3.60	0.10	4.32	
	572.00	583.00									
	583.00	590.00	Cum	1.00	7.00	3.75	3.75	3.75	0.10	2.63	
	590.00	600.00	Cum	1.00	10.00	3.75	3.50	3.63	0.10	3.63	
	600.00	610.00	Cum	1.00	10.00	3.50	3.50	3.50	0.10	3.50	
	610.00	620.00	Cum	1.00	10.00	3.50	3.50	3.50	0.10	3.50	
	620.00	630.00	Cum	1.00	10.00	4.00	3.75	3.88	0.10	3.88	
	630.00	640.00	Cum	1.00	10.00	3.75	3.50	3.63	0.10	3.63	
	640.00	650.00	Cum	1.00	10.00	3.50	3.50	3.50	0.10	3.50	
	650.00	660.00	Cum	1.00	10.00	3.50	3.50	3.50	0.10	3.50	
	660.00	670.00	Cum	1.00	10.00	0.00	0.00	0.00	0.10	0.00	
	670.00	680.00	Cum	1.00	10.00	0.00	0.00	0.00	0.10	0.00	
	680.00	685.00	Cum	1.00	5.00	0.00	0.00	0.00	0.10	0.00	
	685.00	700.00									
	700.00	710.00	Cum	1.00	10.00	3.60	3.60	3.60	0.10	3.60	
	710.00	720.00	Cum	1.00	10.00	3.60	3.60	3.60	0.10	3.60	
	720.00	730.00	Cum	1.00	10.00	3.60	3.60	3.60	0.10	3.60	
	730.00	740.00	Cum	1.00	10.00	3.60	3.60	3.60	0.10	3.60	
	740.00	750.00	Cum	1.00	10.00	3.50	3.50	3.50	0.10	3.50	
	Deductions-HDPE Chambers		Cum	3.00	3.00			1.75	0.10	0.53	
			Cum	1.00	1.90			1.75	0.10	0.33	
	Deductions-Tree Pits		Cum	1.00	1.90			1.45	0.10	0.28	
			Cum	3.00	1.80			1.45	0.10	0.78	
			Cum	1.00	2.60						
	For Buffer Zone										
	Stretch : From Chandra Café to Yes Bank - LHS										
	0.00	10.00	Cum	1	1.00	1.50	1.50	1.50	0.075	0.11	
	10.00	20.00	Cum	1	10.00	1.50	1.45	1.48	0.075	1.11	
	20.00	30.00	Cum	1	10.00	1.45	1.60	1.53	0.075	1.14	
	30.00	40.00	Cum	1	10.00	1.60	1.75	1.68	0.075	1.26	
	40.00	50.00	Cum	1	10.00	1.75	1.80	1.78	0.075	1.33	
	50.00	60.00	Cum	1	10.00	1.80	1.80	1.80	0.075	1.35	
	60.00	70.00	Cum	1	10.00	1.80	1.80	1.80	0.075	1.35	
	70.00	80.00	Cum	1	10.00	1.80	1.80	1.80	0.075	1.35	
	80.00	90.00	Cum	1	10.00	1.80	1.90	1.85	0.075	1.39	
	90.00	100.00	Cum	1	10.00	1.90	1.74	1.82	0.075	1.37	
	100.00	110.00	Cum	1	10.00	1.74	1.74	1.74	0.075	1.31	
	110.00	120.00	Cum	1	10.00	1.74	1.75	1.75	0.075	1.31	

Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Scanned by TapScanner

BOQ Item no. 27

KSRRB M2200-5.1 Providing and laying cement concrete of mix 1:2:4 with OPC @ 240kgs, with 40mm and down size graded granite metal coarse aggregates @0.63cum and fine aggregates @ 0.42cum including cost of materials, labour, HOM curing, form works, scaffolding and centering complete as per MORTH Section : 2200 & IS 456 a) upto 5mtr heigh~ (M-15) (PW,P& IWTD SR 2018-19 P-226, 1-28,7.1)

Sl No	Chainage From	Chainage To	Unit	Nos	Length	B1	B2	Avg Breadth	Avg Depth	Quantity	Remarks
	120.00	130.00	Cum	1	10.00	1.75	1.75	1.75	0.075	1.31	
	130.00	140.00	Cum	1	10.00	1.75	1.75	1.75	0.075	1.31	
	140.00	150.00	Cum	1	10.00	1.75	1.75	1.75	0.075	1.31	
	150.00	157.00	Cum	1	7.00	1.75	1.70	1.73	0.075	0.91	
	For Buffer Zone										
	Stretch : From Yes Bank to Chandra Café - RHS										
	8.00	10.00	Cum	1	1.00	1.55	1.55	1.55	0.075	0.12	
	10.00	20.00	Cum	1	10.00	1.55	1.55	1.55	0.075	1.16	
	20.00	30.00	Cum	1	10.00	1.55	1.50	1.53	0.075	1.14	
	30.00	40.00	Cum	1	10.00	1.50	1.50	1.50	0.075	1.13	
	40.00	50.00	Cum	1	10.00	1.50	1.50	1.50	0.075	1.13	
	50.00	56.00	Cum	1	6.00	1.50	1.50	1.50	0.075	0.68	
	56.00	63.00	Cum	1	7.00	3.40	3.40	3.40	0.075	1.79	College Entrance
	63.00	70.00	Cum	1	7.00	1.20	1.20	1.20	0.075	0.63	
	70.00	80.00	Cum	1	10.00	1.20	1.25	1.23	0.075	0.92	
	80.00	90.00	Cum	1	10.00	1.25	1.20	1.23	0.075	0.92	
	90.00	100.00	Cum	1	10.00	1.20	1.20	1.20	0.075	0.90	
	100.00	110.00	Cum	1	10.00	1.20	1.10	1.15	0.075	0.86	
	110.00	120.00	Cum	1	10.00	1.10	1.20	1.15	0.075	0.86	
	120.00	130.00	Cum	1	10.00	1.20	1.20	1.20	0.075	0.90	
	130.00	140.00	Cum	1	10.00	1.20	1.30	1.25	0.075	0.94	
	140.00	152.00	Cum	1	12.00	1.30	1.30	1.30	0.075	1.17	
	For Buffer Zone										
	Stretch : From YES Bank to Vishnu Park - RHS										
	175.00	190.00	Cum	1	15.00	1.15	1.20	1.18	0.075	1.32	
	190.00	200.00	Cum	1	10.00	1.20	1.20	1.20	0.075	0.90	
	200.00	210.00	Cum	1	10.00	1.20	1.20	1.20	0.075	0.90	
	210.00	220.00	Cum	1	10.00	1.20	1.20	1.20	0.075	0.90	
	220.00	230.00	Cum	1	10.00	1.20	1.25	1.23	0.075	0.92	
	230.00	240.00	Cum	1	10.00	1.25	1.25	1.25	0.075	0.94	
	240.00	250.00	Cum	1	10.00	1.25	1.25	1.25	0.075	0.94	
	250.00	260.00	Cum	1	10.00	1.25	1.27	1.26	0.075	0.95	
	260.00	270.00	Cum	1	10.00	1.27	1.30	1.29	0.075	0.96	
	270.00	280.00	Cum	1	10.00	1.30	1.25	1.28	0.075	0.96	
	280.00	290.00	Cum	1	10.00	1.25	1.25	1.25	0.075	0.94	
	290.00	300.00	Cum	1	10.00	1.25	1.20	1.23	0.075	0.92	
	300.00	310.00	Cum	1	10.00	1.20	1.00	1.10	0.075	0.83	
	310.00	320.00	Cum	1	10.00	1.00	0.85	0.93	0.075	0.69	
	320.00	330.00	Cum	1	10.00	0.85	0.85	0.85	0.075	0.64	
	330.00	340.00	Cum	1	10.00	0.85	0.85	0.85	0.075	0.64	
	340.00	350.00	Cum	1	10.00	0.85	0.80	0.83	0.075	0.62	
	350.00	360.00	Cum	1	10.00	0.80	0.80	0.80	0.075	0.60	
	360.00	370.00	Cum	1	10.00	0.80	2.00	1.40	0.075	1.05	
	370.00	380.00	Cum	1	10.00	2.00	1.10	1.55	0.075	1.16	
	380.00	390.00	Cum	1	10.00	1.10	1.28	1.19	0.075	0.89	
	390.00	400.00	Cum	1	10.00	1.28	1.20	1.24	0.075	0.93	
	400.00	410.00	Cum	1	10.00	1.20	1.20	1.20	0.075	0.90	
	410.00	420.00	Cum	1	10.00	1.20	1.20	1.20	0.075	0.90	
	420.00	430.00	Cum	1	10.00	1.20	1.20	1.20	0.075	0.90	
	For Tree Pits										
	Stretch : From Chandra Café to Pro radio Networks - LHS										
			Cum	2	1.54	0.20	0.20	0.20	0.075	0.05	
			Cum	1	1.05	0.20	0.20	0.20	0.075	0.02	
			Cum	2	1.43	0.20	0.20	0.20	0.075	0.04	
			Cum	1	1.10	0.20	0.20	0.20	0.075	0.02	
			Cum	2	1.62	0.20	0.20	0.20	0.075	0.05	
			Cum	1	1.55	0.20	0.20	0.20	0.075	0.02	
			Cum	2	1.20	0.20	0.20	0.20	0.075	0.04	
			Cum	1	1.10	0.20	0.20	0.20	0.075	0.02	
			Cum	2	1.73	0.20	0.20	0.20	0.075	0.05	

Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Infra Support Engineering Consultants Pvt. Ltd. Bengaluru

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BOQ Item no. 27

KSRDB M2200-5.1 Providing and laying cement concrete of mix 1:2:4 with OPC @ 240kgs. with 40mm and down size graded granite metal coarse aggregates @0.83cum and fine aggregates @ 0.42cum including cost of materials, labour, HOM curing, form works, scaffolding and centering complete as per MORTH Section : 2200 & IS 456 a) upto 5mtr heigh – (M-15) (PW,P& IWTD SR 2018-19 P-226.1-28.7.1)

Sl No	Chainage From	Chainage To	Unit	Nos	Length	B1	B2	Avg Breadth	Avg Depth	Quantity	Remarks
	1.5 to 157		Cum	1	1.60	0.20	0.20	0.20	0.075	0.02	
			Cum	2	2.40	0.20	0.20	0.20	0.075	0.07	
			Cum	1	2.02	0.20	0.20	0.20	0.075	0.00	by kerb
			Cum	2	2.40	0.20	0.20	0.20	0.075	0.07	
			Cum	1	2.02	0.20	0.20	0.20	0.075	0.03	
			Cum	2	1.20	0.20	0.20	0.20	0.075	0.04	
			Cum	1	1.32	0.20	0.20	0.20	0.075	0.02	
			Cum	2	1.30	0.20	0.20	0.20	0.075	0.04	
			Cum	1	1.20	0.20	0.20	0.20	0.075	0.02	
			Cum	2	2.80	0.20	0.20	0.20	0.075	0.08	
			Cum	1	2.10	0.20	0.20	0.20	0.075	0.03	
			Cum	2	1.51	0.20	0.20	0.20	0.075	0.04	
			Cum	1	1.92	0.20	0.20				
	For Tree Pits										
	Stretch : From Vishnu Park to Kanthi Sweets- LHS (Ch :450 to 800)										
	Treepit -1		Cum	2	2.45	0.20	0.20	0.20	0.075	0.07	
			Cum	2	3.20	0.20	0.20	0.20	0.075	0.10	
	Treepit -2		Cum	2	1.65	0.20	0.20	0.20	0.075	0.05	
			Cum	1	2.00	0.20	0.20	0.20	0.075	0.03	
	Treepit -3		Cum	2	1.40	0.20	0.20	0.20	0.075	0.04	
			Cum	1	1.40	0.20	0.20	0.20	0.075	0.02	
	Treepit -4		Cum	2	1.40	0.20	0.20	0.20	0.075	0.04	
			Cum	1	1.40	0.20	0.20	0.20	0.075	0.02	
	Treepit -5		Cum	2	1.40	0.20	0.20	0.20	0.075	0.04	
			Cum	1	1.40	0.20	0.20	0.20	0.075	0.02	
	Treepit -6		Cum	2	1.40	0.20	0.20	0.20	0.075	0.11	
			Cum	1	1.40	0.20	0.20	0.20	0.075	0.02	
	Treepit -7		Cum	2	3.60	0.20	0.20	0.20	0.075	0.04	
			Cum	1	1.60	0.20	0.20	0.20	0.075	0.05	
	Treepit -8		Cum	2	1.40	0.20	0.20	0.20	0.075	0.06	
			Cum	2	1.60	0.20	0.20	0.20	0.075	0.03	
	Treepit -9		Cum	2	1.90	0.20	0.20	0.20	0.075	0.04	
			Cum	1	1.82	0.20	0.20	0.20	0.075	0.02	
	Treepit -10		Cum	2	1.45	0.20	0.20	0.20	0.075	0.04	
			Cum	1	1.60	0.20	0.20	0.20	0.075	0.02	
	Treepit -11		Cum	2	1.45	0.20	0.20	0.20	0.075	0.08	
			Cum	1	1.60	0.20	0.20	0.20	0.075	0.03	
	Treepit -12		Cum	2	2.50	0.20	0.20	0.20	0.075	0.04	
			Cum	1	2.30	0.20	0.20	0.20	0.075	0.05	
	Treepit -13		Cum	2	1.45	0.20	0.20	0.20	0.075	0.04	
			Cum	2	1.55	0.20	0.20	0.20	0.075	0.05	
	Treepit -14		Cum	2	1.45	0.20	0.20	0.20	0.075	0.07	
			Cum	2	1.55	0.20	0.20	0.20	0.075	0.04	
	Treepit -15		Cum	2	2.45	0.20	0.20	0.20	0.075	0.07	
			Cum	1	2.35	0.20	0.20	0.20	0.075	0.04	
	Treepit -16		Cum	2	2.45	0.20	0.20	0.20	0.075	0.07	
			Cum	1	2.35	0.20	0.20	0.20	0.075	0.04	
	Treepit -17		Cum	2	2.45	0.20	0.20	0.20	0.075	0.07	
			Cum	1	2.35	0.20	0.20	0.20	0.075	0.04	
	Treepit -18		Cum	2	2.45	0.20	0.20	0.20	0.075	0.07	
			Cum	1	2.35	0.20	0.20	0.20	0.075	0.04	
	Treepit -19		Cum	2	2.45	0.20	0.20				
			Cum	1	2.35	0.20					
	For Tree Pits										
	Stretch : From Pro radio Networks to Chandra Café- RHS										
			Cum	2	1.60	0.20	0.20	0.20	0.075	0.05	
			Cum	1	1.31	0.20	0.20	0.20	0.075	0.02	
			Cum	2	1.75	0.20	0.20	0.20	0.075	0.05	
			Cum	1	2.10	0.20	0.20	0.20	0.075	0.03	
			Cum	2	1.75	0.20	0.20	0.20	0.075	0.05	

Executive Engineer, Project Division, Yelahanka Zone, BBMP, Bangalore-92

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BOQ Item no. 27

KSRRB M2200-5.1 Providing and laying cement concrete of mix 1:2:4 with OPC @ 240kgs, with 40mm and down size graded granite metal coarse aggregates @0.63cum and fine aggregates @ 0.42cum including cost of materials, labour, HOM curing, form works, scaffolding and centering complete as per MORTH Section : 2200 & IS 456 a) upto 5mtr heigh~ (M-15) (PW,P& IWTD SR 2018-19 P-226, I-28.7.1)

Sl No	Chainage From	Chainage To	Unit	Nos	Length	B1	B2	Avg Breadth	Avg Depth	Quantity	Remarks
			Cum	1	2.10	0.20	0.20	0.20	0.075	0.03	
			Cum	2	2.40	0.20	0.20	0.20	0.075	0.07	
			Cum	1	4.30	0.20	0.20	0.20	0.075	0.06	by kerb
			Cum	2	1.96	0.20	0.20	0.20	0.075	0.06	
			Cum	1	1.65	0.20	0.20	0.20	0.075	0.02	by kerb
			Cum	2	1.46	0.20	0.20	0.20	0.075	0.04	
	157.00	0.00	Cum	1	1.23	0.20	0.20	0.20	0.075	0.02	
			Cum	2	1.46	0.20	0.20	0.20	0.075	0.04	
			Cum	1	1.23	0.20	0.20	0.20	0.075	0.02	
			Cum	2	2.18	0.20	0.20	0.20	0.075	0.07	
			Cum	1	5.50	0.20	0.20	0.20	0.075	0.08	by kerb
			Cum	2	1.77	0.20	0.20	0.20	0.075	0.05	
			Cum	1	1.34	0.20	0.20	0.20	0.075	0.02	
			Cum	2	2.54	0.20	0.20	0.20	0.075	0.08	
			Cum	1	2.00	0.20	0.20	0.20	0.075	0.03	by kerb
			Cum	2	1.50	0.20	0.20	0.20	0.075	0.05	
			Cum	1	1.33	0.20	0.20	0.20	0.075	0.02	
			Cum	2	2.02	0.20	0.20	0.20	0.075	0.06	
			Cum	1	1.92	0.20	0.20	0.20	0.075	0.03	by kerb
For Tree Pits											
Stretch : From Vishnu Park to Kanthi Sweets- RHS (Ch :450 to 800)											
Treepit -1			Cum	2	1.90	0.20	0.20	0.20	0.075	0.06	
			Cum	1	1.75	0.20	0.20	0.20	0.075	0.03	
Treepit -2			Cum	2	1.90	0.20	0.20	0.20	0.075	0.06	
			Cum	1	1.75	0.20	0.20	0.20	0.075	0.03	
Treepit -3			Cum	2	1.80	0.20	0.20	0.20	0.075	0.05	
			Cum	1	1.45	0.20	0.20	0.20	0.075	0.02	
Treepit -4			Cum	2	1.80	0.20	0.20	0.20	0.075	0.05	
			Cum	1	1.45	0.20	0.20	0.20	0.075	0.02	
Treepit -5			Cum	2	1.80	0.20	0.20	0.20	0.075	0.05	
			Cum	1	1.45	0.20	0.20	0.20	0.075	0.02	
Treepit -6			Cum	2	2.60	0.20	0.20	0.20	0.075	0.08	
			Cum	1	4.50	0.20	0.20	0.20	0.075	0.07	
For Shoulder Drains											
Stretch : From Chandra Café to Pro radio Networks - LHS											
1.5 to 157			Cum	1	3.20	0.40	0.40	0.40	0.075	0.10	
			Cum	1	2.80	0.40	0.40	0.40	0.075	0.08	
			Cum	1	3.00	0.40	0.40	0.40	0.075	0.09	
			Cum	1	3.00	0.40	0.40	0.40	0.075	0.09	
			Cum	1	3.00	0.40	0.40	0.40	0.075	0.09	
			Cum	1	3.00	0.40	0.40	0.40	0.075	0.09	
			Cum	1	2.60	0.40	0.40	0.40	0.075	0.08	
			Cum	1	2.60	0.40	0.40	0.40	0.075	0.08	
For U-Drain											
Stretch : From Yes Bank to Jnana Jyothi School - LHS											
180.00	190.00		Cum	1	10.00	0.80	0.80	0.80	0.10	0.80	
190.00	200.00		Cum	1	10.00	0.80	0.80	0.80	0.10	0.80	
200.00	210.00		Cum	1	10.00	0.80	0.80	0.80	0.10	0.80	
210.00	220.00		Cum	1	10.00	0.80	0.80	0.80	0.10	0.80	
220.00	230.00		Cum	1	10.00	0.80	0.80	0.80	0.10	0.80	
230.00	240.00		Cum	1	10.00	0.80	0.80	0.80	0.10	0.80	
240.00	250.00		Cum	1	10.00	0.80	0.80	0.80	0.10	0.80	
250.00	260.00		Cum	1	10.00	0.80	0.80	0.80	0.10	0.80	
260.00	270.00		Cum	1	10.00	0.80	0.80	0.80	0.10	0.80	
270.00	280.00		Cum	1	10.00	0.80	0.80	0.80	0.10	0.80	
280.00	290.00		Cum	1	10.00	0.80	0.80	0.80	0.10	0.80	
290.00	300.00		Cum	1	10.00	0.80	0.80	0.80	0.10	0.80	
300.00	310.00		Cum	1	10.00	0.80	0.80	0.80	0.10	0.80	
310.00	320.00		Cum	1	10.00	0.80	0.80	0.80	0.10	0.80	
320.00	330.00		Cum	1	10.00	0.80	0.80	0.80	0.10	0.80	

Executive Engineer, Project Division, Yelahanka Zone, BBMP, Bangalore-92

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BOQ Item no. 27

KSRRB M2200-5.1 Providing and laying cement concrete of mix 1:2:4 with OPC @ 240kgs. with 40mm and down size graded granite metal coarse aggregates @0.63cum and fine aggregates @ 0.42cum including cost of materials, labour, HOM curing, form works, scaffolding and centering complete as per MORTH Section : 2200 & IS 456 a) upto 5mtr heigh~ (M-15) (PW,P& IWTD SR 2018-19 P-226, I-28.7.1)

Sl No	Chainage From	Chainage To	Unit	Nos	Length	B1	B2	Avg Breadth	Avg Depth	Quantity	Remarks
	330.00	340.00	Cum	1	10.00	0.80	0.80	0.80	0.10	0.80	
	340.00	350.00	Cum	1	10.00	0.80	0.80	0.80	0.10	0.80	
	For U Drain										
	Stretch : From Jnana Jyothi School to Yes Bank - RHS										
	180.00	190.00	Cum	1	10.00	0.90	0.90	0.90	0.10	0.90	
	190.00	200.00	Cum	1	10.00	0.90	0.90	0.90	0.10	0.90	
	200.00	210.00	Cum	1	10.00	0.90	0.90	0.90	0.10	0.90	
	210.00	220.00	Cum	1	10.00	0.90	0.90	0.90	0.10	0.90	
	220.00	230.00	Cum	1	10.00	0.90	0.90	0.90	0.10	0.90	
	230.00	240.00	Cum	1	10.00	0.90	0.90	0.90	0.10	0.90	
	240.00	250.00	Cum	1	10.00	0.90	0.90	0.90	0.10	0.90	
	250.00	260.00	Cum	1	10.00	0.90	0.90	0.90	0.10	0.90	
	260.00	270.00	Cum	1	10.00	0.90	0.90	0.90	0.10	0.90	
	270.00	280.00	Cum	1	10.00	0.90	0.90	0.90	0.10	0.90	
	280.00	290.00	Cum	1	10.00	0.90	0.90	0.90	0.10	0.90	
	290.00	300.00	Cum	1	10.00	0.90	0.90	0.90	0.10	0.90	
	300.00	310.00	Cum	1	10.00	0.90	0.90	0.90	0.10	0.90	
	310.00	320.00	Cum	1	10.00	0.90	0.90	0.90	0.10	0.90	
	320.00	330.00	Cum	1	10.00	0.90	0.90	0.90	0.10	0.90	
	330.00	340.00	Cum	1	10.00	0.90	0.90	0.90	0.10	0.90	
	340.00	350.00	Cum	1	10.00	0.90	0.90	0.90	0.10	0.90	
	350.00	360.00	Cum	1	10.00	0.90	0.90	0.90	0.10	0.90	
	360.00	370.00	Cum	1	10.00	0.90	0.90	0.90	0.10	0.90	
	370.00	380.00	Cum	1	10.00	0.90	0.90	0.90	0.10	0.90	
	380.00	390.00	Cum	1	10.00	0.90	0.90	0.90	0.10	0.90	
	390.00	400.00	Cum	1	10.00	0.90	0.90	0.90	0.10	0.90	
	400.00	410.00	Cum	1	10.00	0.90	0.90	0.90	0.10	0.90	
	410.00	420.00	Cum	1	10.00	0.90	0.90	0.90	0.10	0.90	
	420.00	430.00	Cum	1	10.00	0.90	0.90	0.90	0.10	0.90	
	For HDPE Chambers										
	Stretch : From Chandra Café to Jnana Jyothi School - LHS										
	Ch.28	Cum	1	2.65	1.30	1.30	1.30	0.10	0.34		
	Ch.85	Cum	1	2.65	1.30	1.30	1.30	0.10	0.34		
	Ch.175	Cum	1	2.65	1.30	1.30	1.30	0.10	0.34		
	Ch.280	Cum	1	2.65	1.30	1.30	1.30	0.10	0.34		
	Ch.360	Cum	1	2.65	1.30	1.30	1.30	0.10	0.34		
	Ch.430	Cum	1	2.65	1.30	1.30	1.30	0.10	0.34		
	For HDPE Chambers										
	Stretch : From Vishnu Park to Kanthi Sweets - LHS										
	Ch. 450	Cum	1.00	2.65			1.30	0.10	0.34		
	Ch. 535	Cum	1.00	2.65			1.30	0.10	0.34		
	Ch. 620	Cum	1.00	2.65			1.30	0.10	0.34		
	Ch. 705	Cum	1.00	2.65			1.30	0.10	0.34		
	Ch.785	Cum	1.00	2.65			1.30	0.10	0.34		
	Ch. 870	Cum	1.00	2.65			1.30	0.10	0.34		
	Ch. 960	Cum	1.00	2.65			1.30	0.10	0.34		
	Ch.1045	Cum	1.00	2.65			1.30	0.10	0.34		
	Ch.1128	Cum	1.00	2.65			1.30	0.10	0.34		
	For HDPE Chambers										
	Stretch : From Jnana Jyothi School to Chandra Café - RHS										
	Ch.28	Cum	1	2.65	1.30	1.30	1.30	0.10	0.34		
	Ch.85	Cum	1	2.65	1.30	1.30	1.30	0.10	0.34		
	Ch.175	Cum	1	2.65	1.30	1.30	1.30	0.10	0.34		
	Ch.280	Cum	1	2.65	1.30	1.30	1.30	0.10	0.34		
	Ch.360	Cum	1	2.65	1.30	1.30	1.30	0.10	0.34		
	Ch.430	Cum	1	2.65	1.30	1.30	1.30	0.10	0.34		
	For HDPE Chambers										
	Stretch : From Vishnu Park to Kanthi Sweets - RHS										
	Ch. 450	Cum	1.00	2.65			1.30	0.10	0.34		

Executive Engineer, Project Division, Yelahanka Zone, BBMP, Bangalore - 92

Asst. Executive Engineer, Project Division, Yelahanka Zone, BBMP, Bangalore - 92

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BOQ Item no. 27

KSRRB M2200-5.1 Providing and laying cement concrete of mix 1:2:4 with OPC @ 240kgs, with 40mm and down size graded granite metal coarse aggregates @0.63cum and fine aggregates @ 0.42cum including cost of materials, labour, HOM curing, form works, scaffolding and centering complete as per MORTH Section : 2200 & IS 456 a) upto 5mtr heigh~ (M-15) (PW,P& IWTD SR 2018-19 P-226, 1-28.7.1)

Sl No	Chainage From	Chainage To	Unit	Nos	Length	B1	B2	Avg Breadth	Avg Depth	Quantity	Remarks
	Ch. 535										
		Ch. 620	Cum	1.00	2.65			1.30	0.10	0.34	
		Ch. 705	Cum	1.00	2.65			1.30	0.10	0.34	
		Ch.785	Cum	1.00	2.65			1.30	0.10	0.34	
		Ch. 870	Cum	1.00	2.65			1.30	0.10	0.34	
		Ch. 960	Cum	1.00	2.65			1.30	0.10	0.34	
		Ch. 1045	Cum	1.00	2.65			1.30	0.10	0.34	
		Ch. 1128	Cum	1.00	2.65			1.30	0.10	0.34	
	For Cross Road Culvert MCW										
	Stretch : Near Yes Bank										
	180		Cum	1	17.00	1.55	1.55	1.55	1.05	27.67	
	For Kerb Fixing										
	Stretch : From Chandra Café to Pro radio Networks - LHS										
	1.50	20.00	Cum	1	18.50	0.20	0.20	0.20	0.075	0.28	
	20.00	39.70	Cum	1	19.70	0.20	0.20	0.20	0.075	0.30	
	45.00	58.00	Cum	1	13.00	0.20	0.20	0.20	0.075	0.20	
	58.00	70.00	Cum	1	12.00	0.20	0.20	0.20	0.075	0.18	
	70.00	90.00	Cum	1	20.00	0.20	0.20	0.20	0.075	0.30	
	90.00	120.00	Cum	1	30.00	0.20	0.20	0.20	0.075	0.45	
	120.00	150.00	Cum	1	30.00	0.20	0.20	0.20	0.075	0.45	
	150.00	157.00	Cum	1	7.00	0.20	0.20	0.20	0.075	0.11	
	For Kerb Fixing										
	Stretch : From YES Bank to Vishnu Park - LHS										
	180.00	190.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	190.00	200.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	200.00	210.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	210.00	220.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	220.00	230.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	230.00	240.00	Cum	1.00	1.50	0.20	0.20	0.20	0.075	0.02	

Executive Engineer, Project Division, Yelahanka Zone, BBMP, Bangalore-92

Executive Engineer, Project Division, Yelahanka Zone, BBMP, Bangalore - 92

Executive Engineer, Project Division, Yelahanka Zone, BBMP, Bangalore-92

Executive Engineer, Project Division, Yelahanka Zone, BBMP, Bangalore - 92

Chd. & f.c,

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BOQ Item no. 27

KSRRB M2200-5.1 Providing and laying cement concrete of mix 1:2:4 with OPC @ 240kgs. with 40mm and down size graded granite metal coarse aggregates @0.63cum and fine aggregates @ 0.42cum including cost of materials, labour, HOM curing, form works, scaffolding and centering complete as per MORTH Section : 2200 & IS 456 a) upto 5mtr heigh~ (M-15) (PW,P& IWTD SR 2018-19 P-226, 1-28.7.1)

Sl No	Chainage From	Chainage To	Unit	Nos	Length	B1	B2	Avg Breadth	Avg Depth	Quantity	Remarks
	240.00	250.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	250.00	260.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	260.00	266.00	Cum	1.00	6.00	0.20	0.20	0.20	0.075	0.09	
	271.00	280.00	Cum	1.00	9.00	0.20	0.20	0.20	0.075	0.14	
	280.00	290.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	290.00	300.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	300.00	310.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	310.00	320.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	320.00	330.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	330.00	340.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	340.00	350.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	350.00	360.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	360.00	366.00	Cum	1.00	6.00	0.20	0.20	0.20	0.075	0.09	
	375.00	380.00	Cum	1.00	5.00	0.20	0.20	0.20	0.075	0.08	
	380.00	390.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	390.00	400.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	400.00	410.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	410.00	420.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	420.00	430.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	430.00	440.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	For Kerb Fixing										
	Stretch : From Vishnu Park to Kanthi Sweets - LHS										
	450.00	460.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	460.00	465.00	Cum	1.00	5.00	0.20	0.20	0.20	0.075	0.08	
	465.00	480.00	Cum	1.00	15.00	0.20	0.20	0.20	0.075	0.23	
	480.00	485.00	Cum	1.00	5.00	0.20	0.20	0.20	0.075	0.08	
	485.00	493.00	Cum	1.00	8.00	0.20	0.20	0.20	0.075	0.12	
	493.00	500.00	Cum	1.00	7.00	0.20	0.20	0.20	0.075	0.11	
	500.00	510.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	510.00	520.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	520.00	530.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	530.00	540.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	540.00	550.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	550.00	560.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	560.00	572.00	Cum	1.00	12.00	0.20	0.20	0.20	0.075	0.18	
	572.00	583.00									6th B Cross Road
	583.00	590.00	Cum	1.00	7.00	0.20	0.20	0.20	0.075	0.11	
	590.00	600.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	600.00	610.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	610.00	620.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	620.00	630.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	630.00	640.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	640.00	650.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	650.00	660.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	660.00	670.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	670.00	680.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	680.00	685.00	Cum	1.00	5.00	0.20	0.20	0.20	0.075	0.08	
	685.00	700.00	Cum	1.00	15.00	0.20	0.20	0.20	0.075	0.23	
	700.00	710.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	710.00	720.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	720.00	730.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	730.00	740.00	Cum								9th A Cross
	740.00	750.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	For Kerb Fixing										
	Stretch : From Pro radio Networks to Chandra Café- RHS										
	12.00	37.00	Cum	1	25.00	0.20	0.20	0.20	0.075	0.38	
	37.00	55.50	Cum	1	18.50	0.20	0.20	0.20	0.075	0.28	
	62.00	68.50	Cum	1	6.50	0.20	0.20	0.20	0.075	0.10	
	68.50	77.00	Cum	1	8.50	0.20	0.20	0.20	0.075	0.13	

Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Infra Support Engineering Consultants P. Ltd. Bengaluru

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BOQ Item no. 27

KSRRB M2200-5.1 Providing and laying cement concrete of mix 1:2:4 with OPC @ 240kgs, with 40mm and down size graded granite metal coarse aggregates @0.63cum and fine aggregates @ 0.42cum including cost of materials, labour, HOM curing, form works, scaffolding and centering complete as per MORTH Section : 2200 & IS 456 a) upto 5mtr heigh ~ (M-15) (PW,P& IWTD SR 2018-19 P-226, I-28.7.1)

Sl No	Chainage From	Chainage To	Unit	Nos	Length	B1	B2	Avg Breadth	Avg Depth	Quantity	Remarks
	77.00	87.80	Cum	1	10.80	0.20	0.20	0.20	0.075	0.16	
	87.80	107.80	Cum	1	20.00	0.20	0.20	0.20	0.075	0.30	
	114.60	123.80	Cum	1	9.20	0.20	0.20	0.20	0.075	0.14	
	123.80	128.30	Cum	1	4.50	0.20	0.20	0.20	0.075	0.07	
	128.30	137.60	Cum	1	9.30	0.20	0.20	0.20	0.075	0.14	
	137.60	142.50	Cum	1	4.90	0.20	0.20	0.20	0.075	0.07	
	142.50	157.00	Cum	1	14.50	0.20	0.20	0.20	0.075	0.22	
	For Kerb Fixing										
	Stretch : From YES Bank to Vishnu Park - RHS										
	180.00	190.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	190.00	200.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	200.00	210.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	210.00	220.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	220.00	230.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	230.00	240.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	240.00	250.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	250.00	260.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	260.00	270.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	270.00	280.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	280.00	290.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	290.00	294.00	Cum	1.00	4.00	0.20	0.20	0.20	0.075	0.06	
	305.00	310.00	Cum	1.00	5.00	0.20	0.20	0.20	0.075	0.08	
	310.00	323.00	Cum	1.00	13.00	0.20	0.20	0.20	0.075	0.20	
	328.80	330.00	Cum	1.00	1.20	0.20	0.20	0.20	0.075	0.02	
	330.00	338.70	Cum	1.00	8.70	0.20	0.20	0.20	0.075	0.13	
	345.70	350.00	Cum	1.00	4.30	0.20	0.20	0.20	0.075	0.06	
	350.00	360.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	360.00	370.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	370.00	380.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	380.00	390.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	390.00	400.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	400.00	410.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	410.00	420.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	420.00	430.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	430.00	440.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	For Kerb Fixing										
	Stretch : From Vishnu Park to Kanthi Sweets - RHS										
	442.00	450.00	Cum	1.00	8.00	0.20	0.20	0.20	0.075	0.12	
	450.00	460.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	460.00	465.00	Cum	1.00	5.00	0.20	0.20	0.20	0.075	0.08	
	465.00	480.00	Cum	1.00	15.00	0.20	0.20	0.20	0.075	0.23	
	480.00	485.00	Cum	1.00	5.00	0.20	0.20	0.20	0.075	0.08	
	485.00	493.00									
	493.00	500.00	Cum	1.00	7.00	0.20	0.20	0.20	0.075	0.11	
	500.00	510.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	510.00	520.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	520.00	530.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	530.00	540.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	540.00	550.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	550.00	560.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	560.00	572.00	Cum	1.00	12.00	0.20	0.20	0.20	0.075	0.18	
	572.00	583.00									
	583.00	590.00	Cum	1.00	7.00	0.20	0.20	0.20	0.075	0.11	
	590.00	600.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	600.00	610.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	610.00	620.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	620.00	630.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	630.00	640.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	640.00	650.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	

4th B Cross

6th B Cross Road

Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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BOQ Item no. 27

KSRRB M2200-5.1 Providing and laying cement concrete of mix 1:2:4 with OPC @ 240kgs, with 40mm and down size graded granite metal coarse aggregates @0.63cum and fine aggregates @ 0.42cum including cost of materials, labour, HOM curing, form works, scaffolding and centering complete as per MORTH Section : 2200 & IS 456 a) upto 5mtr heigh~ (M-15) (PW,P& IWTD SR 2018-19 P-226, I-28.7.1)

Sl No	Chainage From	Chainage To	Unit	Nos	Length	B1	B2	Avg Breadth	Avg Depth	Quantity	Remarks
	650.00	660.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	660.00	670.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	670.00	680.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	Central Mall
	680.00	685.00	Cum	1.00	5.00	0.20	0.20	0.20	0.075	0.08	8th B Cross
	685.00	700.00									
	700.00	710.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	710.00	720.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	720.00	730.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	730.00	740.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	740.00	750.00	Cum	1.00	10.00	0.20	0.20	0.20	0.075	0.15	
	Total Quantity		**Cum**							**661.94**	

Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-92

12/7

Chd. & F.C

Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-92

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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Infra Support Engineering Consultants Pvt. Ltd. Bengaluru

Ajithri AE
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NCC LIMITED
BRUHAT BENGALURU MAHANAGAR PALIKE
WHITE TOPPING YELAHANKA FROM SHESHADRIPURAM FIRST GRADE COLLEGE TO AROMA BAKERY JUNCTION
MEASUREMENT SHEET

BOQ Item no. 28

KSRRB M2200-5.9. Providing and laying Design mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @31ts confirming to IS91 03-1999 Reaffirmed-2008 including cost of materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. - i) Upto 5 m height.

Sl No	Chainage From	Chainage To	Unit	Nos	Length	B1	B2	Avg Breadth	Avg Depth	Quantity	Remarks
	For Drain Raft										
	Stretch : From Chandra Café to Jnana Jyothi School - LHS										
	20.00	30.00	Cum	1.00	10.00			1.05	0.15	1.58	
	30.00	39.00	Cum	1.00	9.00			1.05	0.15	1.42	
	39.00	45.00	Cum	1.00	6.00			1.05	0.15	0.95	Culvert
	45.00	55.00	Cum	1.00	10.00			1.05	0.15	1.58	
	55.00	65.00	Cum	1.00	10.00			1.05	0.15	1.58	
	65.00	75.00	Cum	1.00	10.00			1.05	0.15	1.58	
	75.00	85.00	Cum	1.00	10.00			1.05	0.15	1.58	
	85.00	95.00	Cum	1.00	10.00			1.05	0.15	1.58	
	95.00	105.00	Cum	1.00	10.00			1.05	0.15	1.58	
	105.00	115.00	Cum	1.00	10.00			1.05	0.15	1.58	
	115.00	125.00	Cum	1.00	10.00			1.05	0.15	1.58	
	125.00	135.00	Cum	1.00	10.00			1.05	0.15	1.58	
	135.00	145.00	Cum	1.00	10.00			1.05	0.15	1.58	
	145.00	155.00	Cum	1.00	10.00			1.05	0.15	1.58	
	155.00	157.00	Cum	1.00	2.00			1.05	0.15	0.32	
	157.00	175.00									Cross Road
	175.00	185.00	Cum	1.00	10.00			1.05	0.15	1.58	
	185.00	195.00	Cum	1.00	10.00			1.05	0.15	1.58	
	195.00	205.00	Cum	1.00	10.00			1.05	0.15	1.58	
	205.00	215.00	Cum	1.00	10.00			1.05	0.15	1.58	
	215.00	225.00	Cum	1.00	10.00			1.05	0.15	1.58	
	225.00	230.00	Cum	1.00	5.00			1.05	0.15	0.79	
	230.00	238.00									12 th A Main Road
	238.00	240.00	Cum	1.00	2.00			1.05	0.15	0.32	
	240.00	250.00	Cum	1.00	10.00			1.05	0.15	1.58	
	250.00	260.00	Cum	1.00	10.00			1.05	0.15	1.58	
	260.00	266.00	Cum	1.00	6.00			1.05	0.15	0.95	
	266.00	271.00									Door No.329
	271.00	280.00	Cum	1.00	9.00			1.05	0.15	1.42	
	280.00	290.00	Cum	1.00	10.00			1.05	0.15	1.58	
	290.00	300.00	Cum	1.00	10.00			1.05	0.15	1.58	
	300.00	310.00	Cum	1.00	10.00			1.05	0.15	1.58	
	310.00	320.00	Cum	1.00	10.00			1.05	0.15	1.58	
	320.00	330.00	Cum	1.00	10.00			1.05	0.15	1.58	
	330.00	340.00	Cum	1.00	10.00			1.05	0.15	1.58	
	340.00	350.00	Cum	1.00	10.00			1.05	0.15	1.58	
	350.00	360.00	Cum	1.00	10.00			1.05	0.15	1.58	
	360.00	366.00	Cum	1.00	6.00			1.05	0.15	0.95	
	366.00	375.00									2 nd A Main Road
	375.00	380.00	Cum	1.00	5.00			1.05	0.15	0.79	
	380.00	390.00	Cum	1.00	10.00			1.05	0.15	1.58	
	390.00	400.00	Cum	1.00	10.00			1.05	0.15	1.58	
	400.00	410.00	Cum	1.00	10.00			1.05	0.15	1.58	
	410.00	413.00	Cum	1.00	3.00			1.05	0.15	0.47	
	Drain Raft										
	Stretch : From Vishnu Park to Kanthi Sweets LHS										
	463.40	487.50	Cum	1	24.10			1.05	0.15	3.80	
	487.50	494.50									Hume Pipe
	494.50	524.50	Cum	1	30.00			1.05	0.15	4.73	
	524.50	540.00	Cum	1	15.50			1.05	0.15	2.44	
	540.00	545.00	Cum	1	5.00			1.05	0.15	0.79	
	545.00	569.30	Cum	1	24.30			1.05	0.15	3.83	

Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-92

Infra Support Engineering Consultants Pvt. Ltd. Bengaluru

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KSHRB W2300-5.6 Providing and laying Design mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplasticizer @1lts confirming to IS9103-1999 Reaffirmed- 2008 including cost of materials, labour, HDM curing, form works, scaffolding and centering complete as per specifications. - i) Upto 5 m height.

Sl No	Chainage From	Chainage To	Unit	Nos	Length	B1	B2	Avg Breadth	Avg Depth	Quantity	Remarks
	569.30	581.50									Culvert
	581.50	595.00			12.20						
	595.00	625.00	Cum	1	13.50			1.05	0.15	2.13	
	625.00	655.00	Cum	1	30.00			1.05	0.15	4.73	
	655.00	682.00	Cum	1	30.00			1.05	0.15	4.73	
	682.00	710.00	Cum	1	27.00			1.05	0.15	4.25	
	710.00	729.80	Cum	1	28.00			1.05	0.15	4.41	
	729.80	740.40	Cum	1	19.80			1.05	0.15	3.12	
	740.40	764.80									Canara Bank
	764.80	776.00									Hume Pipe
	780.50	788.00	Cum	1	11.20			1.05	0.15	1.76	
	802.00	830.50	Cum	1	7.50			1.05	0.15	1.18	
	853.00	863.00	Cum	1	28.50			1.05	0.15	4.49	
	863.00	868.00	Cum	1	10.00			1.05	0.15	1.58	
	[illegible]	[illegible]			5.00						Hume Pipe
	[illegible]	[illegible]	Cum	1	20.00			1.05	0.15	3.15	
	888.00	902.50	Cum	1	14.50			1.05	0.15	2.28	
	908.50	924.00	Cum	1	15.50			1.05	0.15	2.44	
	948.00	960.50	Cum	1	12.50			1.05	0.15	1.97	
	964.50	976.00	Cum	1	11.50			1.05	0.15	1.81	
	987.50	995.00	Cum	1	7.50			1.05	0.15	1.18	
	1002.00	1030.00	Cum	1	28.00			1.05	0.15	4.41	
	1030.00	1053.50	Cum	1	23.50			1.05	0.15	3.70	
	1062.50	1071.80	Cum	1	9.30			1.05	0.15	1.46	
	1079.50	1104.00	Cum	1	24.50			1.05	0.15	3.86	
	For Drain Raft										
	Stretch : From Jnana Jyothi School to Chandra Café - RHS										
	0.00	10.00	Cum	1.00	10.00			1.05	0.15	1.58	
	10.00	20.00	Cum	1.00	10.00			1.05	0.15	1.58	
	20.00	30.00	Cum	1.00	10.00			1.05	0.15	1.58	
	30.00	40.00	Cum	1.00	10.00			1.05	0.15	1.58	
	40.00	50.00	Cum	1.00	10.00			1.05	0.15	1.58	
	50.00	55.00	Cum	1.00	5.00			1.05	0.15	0.79	
	55.00	62.00	Cum	1.00	7.00			1.05	0.15	1.10	Culvert
	62.00	68.50	Cum	1.00	6.50			1.05	0.15	1.02	
	68.50	77.00									Hume Pipe
	77.00	80.00	Cum	1.00	3.00			1.05	0.15	0.47	
	80.00	90.00	Cum	1.00	10.00			1.05	0.15	1.58	
	90.00	100.00	Cum	1.00	10.00			1.05	0.15	1.58	
	100.00	110.00	Cum	1.00	10.00			1.05	0.15	1.58	
	110.00	120.00	Cum	1.00	10.00			1.05	0.15	1.58	
	120.00	123.80	Cum	1.00	3.80			1.05	0.15	0.60	
	123.80	128.30									Hume Pipe
	128.30	130.00	Cum	1.00	1.70			1.05	0.15	0.27	
	130.00	140.00	Cum	1.00	10.00			1.05	0.15	1.58	
	140.00	150.00	Cum	1.00	10.00			1.05	0.15	1.58	
	150.00	157.00	Cum	1.00	7.00			1.05	0.15	1.10	
	157.00	180.00									Cross Road
	180.00	190.00	Cum	1.00	10.00			1.05	0.15	1.58	
	190.00	200.00	Cum	1.00	10.00			1.05	0.15	1.58	
	200.00	210.00	Cum	1.00	10.00			1.05	0.15	1.58	
	210.00	221.00	Cum	1.00	11.00			1.05	0.15	1.73	
	221.00	230.00	Cum	1.00	9.00			1.05	0.15	1.42	Culvert
	230.00	240.00	Cum	1.00	10.00			1.05	0.15	1.58	
	240.00	250.00	Cum	1.00	10.00			1.05	0.15	1.58	
	250.00	260.00	Cum	1.00	10.00			1.05	0.15	1.58	
	260.00	270.00	Cum	1.00	10.00			1.05	0.15	1.58	
	270.00	280.00	Cum	1.00	10.00			1.05	0.15	1.58	
	280.00	289.00	Cum	1.00	9.00			1.05	0.15	1.42	

Executive Engineer, Project Division, Yelahanka Zone, BBMP, Bangalore - 92

Asst. Executive Engineer, Project Division, Yelahanka Zone, BBMP, Bangalore - 92

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